



Rescheduled: Former Plainwell Impoundment and Plainwell No. 2 Dam Area Bank Conditions Monitoring Report

Mon 09/17/2012 1:00 PM - 2:30 PM

ES

Attendance is required for Ramon Mendoza

Chair: Eric.Hritsuk@arcadis-us.com

Location: 1-855-201-9213, 173.373.5175#

Eric.Hritsuk@arcadis-us.com Eric.Hritsuk has rescheduled this meeting. You have not yet responded.

Required: Anthony.Esposito@arcadis-us.com, HanshueS@michigan.gov, Ramon Mendoza/R5/USEPA/US, devantierd@michigan.gov, rathbunj@michigan.gov, BUCHOLTZP@michigan.gov, ALFANOJ@michigan.gov, gtgriffi@GAPAC.com

Time zones: This entry was created in a different time zone. The time in that time zone is: Mon 09/17/2012 12:00 PM CDT - 1:30 PM CDT

Description

When: Monday, September 17, 2012 12:00 PM-1:30 PM (GMT-06:00) Central Time (US & Canada).
Where: 1-855-201-9213, 173.373.5175#

Note: The GMT offset above does not reflect daylight saving time adjustments.

Need to change the time of this call.

Please join us for the first of two follow up calls to discuss the bank conditions at the Former Plainwell Impoundment and Plainwell No. 2 Dam. The goal of these calls will be to facilitate an open discussion, but expect the following topics to be discussed:

- Comments on the 2012 Spring Draft Bank Conditions Monitoring Report (BCMR)
- Comments on the Response to MDEQ Comments on the 2011 BCMR
- Potential maintenance activities at the Former Plainwell Impoundment or Plainwell No. 2 Dam Area
- Current status of the mid-channel prism upstream of the former Plainwell Dam
- Transfer of OM&M activities at the Former Plainwell Impoundment from Georgia-Pacific to MDNR in 2013

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Infrastructure · Water · Environment · Buildings

Allied Paper, Inc/Portage Creek/Kalamazoo River Superfund Site Former Plainwell Impoundment and Plainwell No. 2 Dam Time-Critical Removal Action Projects Discussion of Bank Maintenance

Date: September 17, 2012

Time: 1:00 pm – 2:30 pm (Eastern Standard Time)

Location: Conference Call; 1-855-201-9213, 173.373.5175#

1. Trustee Comments on Submitted Documents

- Draft 2012 Bank Conditions Monitoring Report
- Response to MDEQ Comment on 2011 Bank Conditions Monitoring Report Letter

2. Trustee Recommended Maintenance

- Former Plainwell Impoundment
 - Removal Area 6B
 - Removal Area 10A
 - Removal Area 13B
 - Removal Area 7, 8, and 9B
 - Willow plantings
 - Mid-channel prism
- Plainwell No. 2 Dam Area
 - Removal Area 3A

3. Next Steps

- Plainwell Site visit week of Sept. 17 to view recommended maintenance areas
- Follow up call – October 4, 2012 10:30 EST
- Response to maintenance request
- Handoff of OM&M to MDNR

*Sept.
revision*

Plainwell TCRA Bank Monitoring
DEQ/Trustee Recommendations for Corrective Action
September 2012
DRAFT FOR DISCUSSION ONLY

Plainwell #1 Area

No significant issues of concern were identified upstream of US 131.

Areas of continuing erosion in the Plainwell #1 dam impoundment that have not previously been treated with river run rock rip rap and that are between the US 131 bridge and the pipeline crossing should be treated with rock rip rap to the 2 year storm elevation (comparable to prior treatment). Two areas (RA 6b and 10A and beyond) continue to show consistent erosion and given the constricted stream channel width, it is necessary to provide a continuous barrier of rock protection along the water line.

Erosion areas within this reach (US 131 to the pipeline crossing) that have been previously treated with coir log and rock rip rap should be verified and supplemented to ensure rock rip rap has been placed to the 2 year storm event elevation. Any exposed filter fabric should be re-covered with rip rap.

We recommend that willow stakes and any new plantings in Plainwell #1 be irrigated. Specifically, willow stakes placed in the new rock treatment areas this autumn (preferably) or if placed next year, should be irrigated during July and August and other periods of with abnormally dry conditions until the plantings are well established.

It appears that a substantial amount of the mid channel "prism" of former impoundment sediments remains just above dam. This material up to and including the last transect used to evaluate prism material, should be assessed with cross sectional transects to make volume estimates and to determine if removal or induced movement of this material will substantially increase the cross-sectional area of the channel. Alternatively, the material could be proactively relocated this fall without further evaluation, to the quiescent area below the spillway or dislodged in-stream and permitted to transport naturally with appropriate water quality monitoring.

The rock slope on the left bank (facing downstream) at the former dam powerhouse is slumping and should be corrected. This may be caused by a seep or may indicate bank failure but it requires corrective action this fall.

The written report can be corrected for those areas we observed in August that had been previously unvegetated, (I2, J2) and sites that were evaluated in the field and determined not to require corrective measures can be identified (T3N, T4S, T11N and T12N).

Plainwell #2 Area

Plainwell #2 dam TCRA shows erosion where rock rip rap terminates along the river banks. We recommend installation of soft engineering techniques such as shrub and willow stake placement, to minimize bank erosion in those areas immediately adjacent to rock treatment that showed undercut banks during the site review. We believe this floodplain area does not need irrigation.

Information regarding treatment of purple loosestrife should be provided to the agencies to ensure performance measures are met regarding invasive species control.

DRAFT